12-21-04; 5:40PM; ;19496600809 # 3/ 24

Application No.: 10/635,413

Docket No.: JCLA11963

#### <u>AMENDMENTS</u>

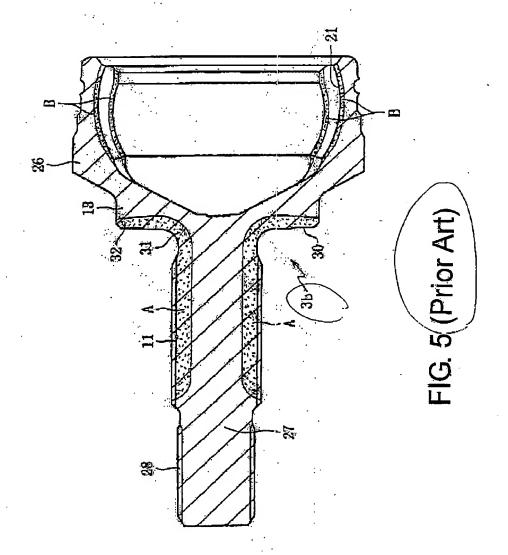
Please amend the application as indicated hereafter.

### In the Drawings

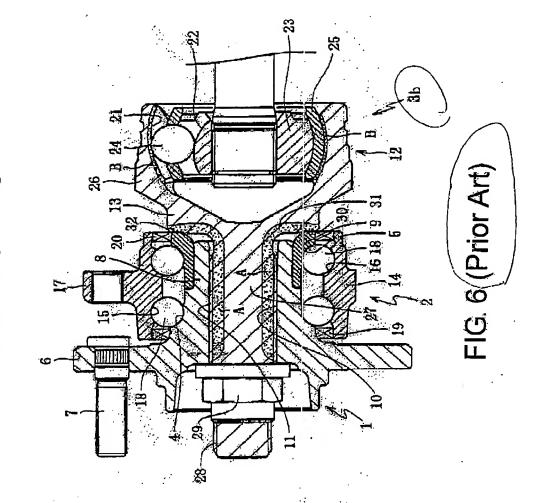
Please amend drawings of Figs. 5 and 6 according to the annotated sheets showing changes. The attached sheets include replacement sheets and annotated sheets showing changes.

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Annotated Marked-up drawing



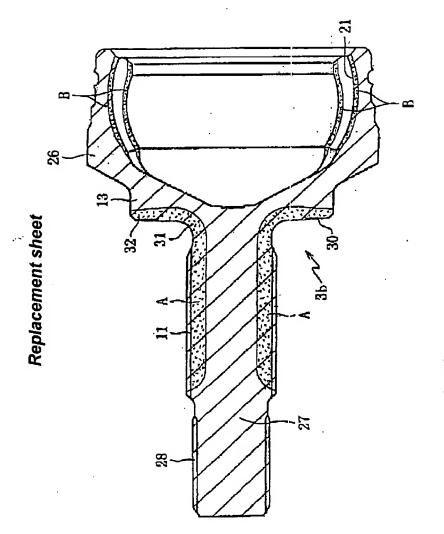


FIG. 5 (Prior Art)

Replacement sheet

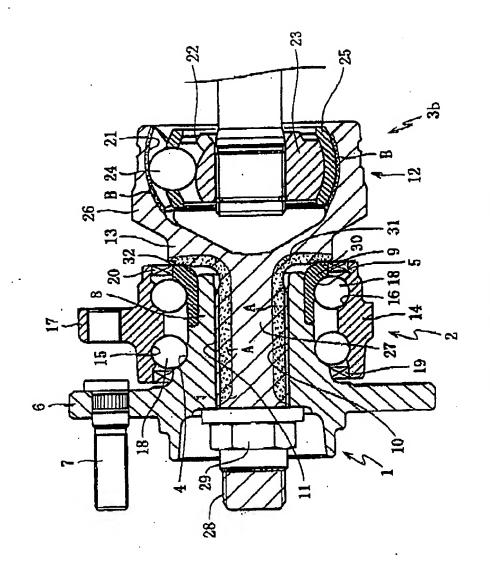
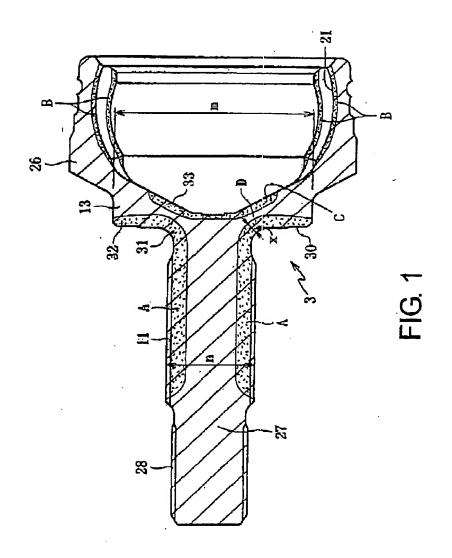
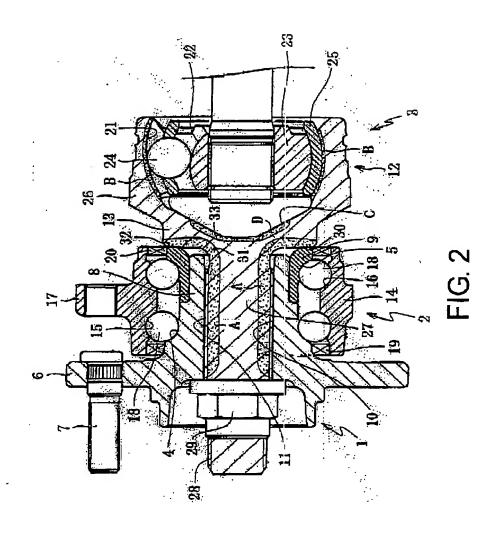


FIG. 6 (Prior Art)





		;					
ffective depth (mm)	Wouth bottom negtion		703/0 8	703/1 3	703/2.6	703/3, 9	701/4.5
ness (Hv) /Hardness eff	Unbardened portion	082	230	220	230	082	230
Surface hard:	Base portion	672/1.8	8.1/0/9	670/1.8	670/1.9	668/1.8	595/1.0
Statio torsion	strength	Reference	0	0	0	0	×
		Conventional product	Examle a	Example b	Example c	Example d	Example e

Gross: Grack accurred Luver than conventional one.

Circle: Better than conventional one.

Double circle: Far better than conventional one.

# FIG. 3

chass/defuth Rate of crack Hardness/depth Rate of crack HV/mn occurrence at HV/mn shoulder portion(%) 665/2. 4 courrence at 655/2. 6	Fig. 8 Katho of Ste	n 2/4/2/2010
shoulder portion(%) 0% 0% 0%	f crack Hardness/depth	Hardness/depth Rate of crack
shoulder portion(%)  0%  0%  0%	ence at IV/m	occurrence at
0% 666/2. 4 0% 671/2. 9 0% 660/3. 2 0% 660/3. 6	Sho	shoulder portion (2)
85 85 85	665/2.4	260
888	8 6/1/9 8	3
86 8	7卷 66273 0	35
25	560/3 1	619
	2% 660/3 1	988

FIG 4

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